



Erratum

.....

2005
Layout & Design
GUIDELINES
for
Marina Berthing Facilities

.....

California Department of
Boating and Waterways

Subject: Section F2.6.1.2 Gangway Guard Rail Heights (Page 52)

Action: **The 45 inches maximum height guideline is to be deleted.**

Reason: From a safety standpoint, the *minimum* guard rail height of 42 inches is the controlling factor.

There should be no controlling factor on the *maximum* guard rail height other than as dictated by design considerations and local conditions. Some gangway designs must utilize guard railings as structural trusses in order to support dead and live loads on longer gangways 60, 80 and up to 100 feet in length. In such cases the truss/guard rails may have to be 60, 70 or more inches deep to develop the structural strength to carry the design loadings. To impose a 45 inch maximum guard rail height is unnecessary, and effectively eliminates utilization of deep structural trusses for guard rails on longer gangways serving recreational boating facilities.

Posted: July 3, 2006

By: Bill Curry, P.E.
Civil Engineer, Retired
Boating Facilities Division
bcurry@dbw.ca.gov
(916) 263-8161